REV	BRIEF DESCRIPTION OF CHANGE	ECO	DATE	BY	APPR

SEE SHEET 13

SH 3 INT33
ON /OFF J21 44
SH 12 QINTIAL
SH 3 INT32
SH 1 INT14
K3(-) J6 17
K3(+) J6 18
K1, K2 - J6 19
K1, K2 + J6 20
TO K3 SH 8 INKC
INKD
INK A J6 6
TO COVER INK J23 1
J23 2
INK B J6 9
SIMMER OSC LED J2 24
SIMMER - J6 23
LAMP BLANK SH 1,3 INT10
A LAMP J21 14
SH 9 SOFT LAMP BLANK
SH 9 INT44
SCR GATE(+) J6 15
SCR GATE(-) J6 16
SIMMER + J6 24
AMP SIMMER + J21 3
SIMMER MONITOR J25 25

R188 560 U53 CD4049 +15V GND
TP33 CDRH TIME OUT
TP21
Q27 VN10KM
R266 100
R35 220 1W
R36 220 1W
R37 220 1W
C20 0.1
TP20
Q20 VN10KM
R181 100
TP19
TP24
TP35
TP34
R195 100 2W
R194 100 2W
R193 100 2W
C200 0.1
R344 100
Q13 2N3904
R71 6.8K
C58 0.1
R69 1K
U24 CD40107
R70 100
C57 0.1
TP50
C122 0.1
U53 CD4049
R261 4.75K
C123 .01
U36 CD4071
R263 20K
R264 20K
R265 20K
J25 26 INTERLOCK MONITOR
C55 0.1
U24 CD40107
HI = OK
LOW = $\overline{\text{OK}}$
INK FAULT = 1
R68 1K
C56 0.1
INTERLOCK FAULT
DS4 RTL
Q12 2N3904
C121 .01
Q21 2N3904
R283 100K
R342 1K
J2 25 LAMP INHIBIT LED
R24 220 1/2W
R27 10
C13 0.1
CR5 1N914
C11 0.1
C12 100 35V
TP18 SCR 1 TRG
Q5 VN10KM
R23 1K
C9 0.1
R25 49.9K
U6 LM339AN
R26 49.9K
INT36 SH 3
SCR SH 3
STARTDLY SH 9
SIMRESET SH 11
INHIBIT = H LAMPS ON = L
LOW WHEN SIMMER ON
R262 560
C83 0.1
U36 CD4071
R112 1M
C82 1.0
U8 CD4098
R182 1K
R183 10K
R185 1K
R184 20K
C84 0.1
C85 0.1
U78 CD4001B
R231 20K
R187 20K
R186 20K

FILE :MAIN5.SCH

QTY	ITEM	PART NUMBER	DESCRIPTION

	NAME	DATE
MFR.	DUKE	9/94
CHK.		
ENG.	S.LAWRENCE	9/94
APP.		

MODEL | NEXT ASSY.

FINISH:

Spectra-Physics — MOUNTAIN VIEW CA 94042

UNLESS OTHERWISE SPECIFIED: .X ± .XX ± .XXX ± ANGLES: ± SURF.FIN: ± — CONFIDENTIAL, SPECTRA-PHYSICS PROPRIETARY — GENERAL TOLERANCES PER S-P DOCUMENT No. C-5115

SCHEMATIC, MAIN CONTROL P.C.B.

SCALE	SIZE	DRAWING NUMBER	SHEET 5 OF 13	REV.
NONE	D	0449-4020		D